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(54) **MEDIUM COMPRISING TRANSFORMING GROWTH FACTOR BETA 1 AND BASIC FIBROBLAST GROWTH FACTOR**

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See application file for complete search history.

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(57) **ABSTRACT**

The present invention is of methods of establishing and propagating human embryonic stem cell lines using feeder cells-free, xeno-free culture systems and stem cells which are capable of being maintained in an undifferentiated, pluripotent and proliferative state in culture which is free of xeno contaminants and feeder cells.

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